

Solubility study of UV absorber in slip film solvent

120 g ZPA  
 63 g Hexane  
 57 g Naphthalene

5 g of each the MS

BAST MS 40 0.15 ✓ 0.25 ✓ + No solubility in film  
 DS 49 0.15 x Total solubility

Trihydroxy 44-dimethylbenzoylbenzene x

- ① slip film solvent 20g 0.15 MS 40
- ② slip 10g 0.25 MS 40 + 0.15 carbon black did not change to much on color

UV Intensity 1.5 mW/cm<sup>2</sup>  
 angle was 1.2 mW/cm<sup>2</sup>

# 1. slip film 0.7 mW/cm<sup>2</sup>  
 0.6 mW/cm<sup>2</sup>  
 2 layers 0.35 mW/cm<sup>2</sup>

# 2 0.45 mW/cm<sup>2</sup>

# 3 0.19 g MS 40, 10 g slip film 0.15 mW/cm<sup>2</sup>  
 0.5 mW/cm<sup>2</sup>

Try increase film thickness + area of MS 40 + carbon black might be necessary

Laser Taper Image the slip film / polyester on EPIC  
+ 3M Yellow ring proof by YAG 523 623 nm  
Laser 623 do not have any effect  
YAG + 523 nm laser power more than slip + Rubber

Ask Terry Juley redo on Yellow Taper to  
see the laser can remove the UV blocky  
By 1" square, The 1" YAG etch the transmission  
0.1 microns yellow film itself has 0.15 mW/cm<sup>2</sup>  
write along the yellow only has 16 mW/cm<sup>2</sup>  
but Laser etch part only has 9 mW/cm<sup>2</sup> at  
much less transparent

Blender 28883 for PCE Lot # BB 8341  
in pellet form

Blender 28883 in ket. Pellet  
Lot 8319 (CCE) ~~Pellet~~ form (slightly brown)  
8332 (CCE) power of sand size form  
very  
opaque

T. Williams did not have any retain of Lot BB 8341  
he asked sample  
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